



SEQUENCE LISTING

<110> Cuenoud, Bernard
Altmann, Karl-Heinz
Martin, Pierre
Moser, Heinz Ernst

<120> 2'-Substituted Nucleosides and
Oligonucleotide Derivatives

<130> 4-20890B/C1

<140> US 10/696,488
<141> 2003-10-29

<150> US 09/753,943
<151> 2001-01-03

<150> US 09/194,844
<151> 1999-05-14

<150> PCT/EP97/02738
<151> 1998-05-27

<150> Switzerland 1432/96
<151> 1996-06-06

<160> 22

<170> FastSEQ for Windows Version 4.0

<210> 1
<211> 20
<212> RNA
<213> Homo sapiens

<400> 1
aaugcauguc acaggcgaaa

20

<210> 2
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Mammalian

<221> misc_feature
<222> (1)...(20)
<223> at least one modified sugar residue

<400> 2
tcccgccgtt gacatgcatt

20

<210> 3
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Mammalian

<221> misc_feature
<222> (5)...(0)
<223> 2'-substituted sugar at position 5

<400> 3
ttttctctc tctct 15

<210> 4
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Mammalian

<221> misc_feature
<222> 5, 7, 9, 11, 13
<223> 2'-substituted sugar at positions 5, 7, 9, 11 and 13

<400> 4
ttttctctc tctct 15

<210> 5
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Mammalian

<221> misc_feature
<222> 1, 7, 9 15
<223> 2'-substituted sugar at positions 1, 7, 9, and 15

<400> 5
tcgggtgtc cgcatc 16

<210> 6
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Mammalian

<221> misc_feature
<222> (1)...(5)
<223> 2'-substituted sugar at positions 1-5

<400> 6
ttttctctc tctct 15

<210> 7

```

<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Mammalian

<221> misc_feature
<222> (5)...(14)
<223> 2'-substituted sugar

<221> modified_base
<222> 6, 8 10, 12, 14
<223> m5c

<400> 7
tttttctctc tctct 15

<210> 8
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Mammalian

<221> misc_feature
<222> (1)...(14)
<223> 2'-substituted sugar

<221> modified_base
<222> 6, 8, 10, 12, 14
<223> m5c

<400> 8
tttttctctc tctct 15

<210> 9
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Mammalian

<221> misc_feature
<222> (5)...(14)
<223> 2'-substituted sugar

<221> modified_base
<222> 6, 8, 10, 12, 14
<223> m5c

<400> 9
tttttctctc tctct 15

<210> 10
<211> 15
<212> DNA

```

```

<213> Artificial Sequence

<220>
<223> Mammalian

<221> misc_feature
<222> (11)...(0)
<223> 2'-substituted sugar

<400> 10
agagagagag aaaaaa 15

<210> 11
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Mammalian

<221> misc_feature
<222> 3, 5, 7, 9, 11
<223> 2'-substituted sugar

<400> 11
agagagagag aaaaaa 15

<210> 12
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Mammalian

<221> misc_feature
<222> (11)...(14)
<223> 2'-substituted sugar

<400> 12
agagagagag aaaaaa 15

<210> 13
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Mammalian

<221> misc_feature
<222> (2)...(11)
<223> 2'-substituted sugar

<400> 13
agagagagag aaaaaa 15

<210> 14
<211> 13

```

```

<212> DNA
<213> Artificial Sequence

<220>
<223> Mammalian

<221> misc_feature
<222> 4, 6, 12
<223> 2'-substituted sugar

<400> 14
agtgtccgc atc 13

<210> 15
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Mammalian

<221> misc_feature
<222> (13)...(15)
<223> 2'-substituted sugar

<400> 15
tccaggtgtc cgtttc 16

<210> 16
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Mammalian-Target DNA

<400> 16
gctaaaaaga gagagagatc g 21

<210> 17
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Mammalian-Opposite strand of target DNA SEQ ID NO:
16

<400> 17
cgatctctct ctcttttag c 21

<210> 18
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Mammalian

```

```

<221> misc_feature
<222> (1)...(20)
<223> phosphorothioate backbone

<221> misc_feature
<222> 2, 4, 15, 17, 19
<223> 2'-substituted sugar

<400> 18
tcccgccctgt gacatgcatt 20

<210> 19
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Mammalian

<221> misc_feature
<222> (6)...(15)
<223> phosphorothioate backbone

<221> misc_feature
<222> (1)...(5)
<223> 2'-substituted sugar

<221> misc_feature
<222> (15)...(19)
<223> 2'-substituted sugar

<400> 19
tcccgccctgt gacatgcatt 20

<210> 20
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Mammalian

<221> misc_feature
<222> (1)...(20)
<223> phosphorothioate backbone

<221> misc_feature
<222> (1)...(5)
<223> 2'-substituted sugar

<221> misc_feature
<222> (15)...(19)
<223> 2'-substituted sugar

<400> 20
tcccgccctgt gacatgcatt 20

<210> 21
<211> 20
<212> DNA

```

<213> Artificial Sequence

<220>

<223> Mammalian

<221> misc_feature

<222> (6)...(15)

<223> phosphorothioate backbone

<221> misc_feature

<222> (1)...(5)

<223> 2'-substituted sugar

<221> misc_feature

<222> (15)...(19)

<223> 2'-substituted sugar

<400> 21

tcccgccctgt gacatgcatt

20

<210> 22

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Mammalian

<221> misc_feature

<222> (1)...(20)

<223> phosphorothioate backbone

<221> misc_feature

<222> (1)...(5)

<223> 2'-substituted sugar

<221> misc_feature

<222> (15)...(19)

<223> 2'-substituted sugar

<400> 22

tcccgccctgt gacatgcatt

20